



Docket No. 242612US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Atsushi KAWAMURA

SERIAL NO: 10/659,342

GAU: 2872

FILED: September 11, 2003

EXAMINER:

FOR: IMAGING OPTICAL SYSTEM, IMAGE DISPLAY APPARATUS AND IMAGING OPTICAL APPARATUS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☐ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

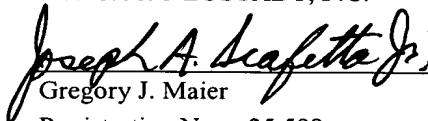
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


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Customer Number

22850

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Registration No. 26, 803

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LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
PER CLIENT@	05/705,727	07/15/76	UNKNOWN
PER CLIENT	6,198,562	03/06/01	HAYASHI et al.
PER CLIENT	6,317,246	11/13/01	HAYASHI et al.
PER CLIENT	6,185,026	02/06/01	HAYASHI et al.
PER CLIENT	4,653,873	03/31/87	KAWAMURA
PER CLIENT	4,372,654	02/08/83	FUJIOKA et al.
PER CLIENT	4,277,128	07/07/81	KAWAMURA
PER CLIENT	4,147,412	04/03/79	KAWAMURA et al.
PER CLIENT	4,124,882	11/07/78	KAWAMURA et al.
PER CLIENT	4,059,345	11/22/77	KAWAMURA et al.
PER CLIENT	3,977,761	08/31/76	KAWAZU et al.
PER CLIENT	4,095,888	06/20/78	KAWAZU et al.
0557-0094-2	4,527,867	07/09/85	FUJIOKA et al.
0557-0112-2	4,576,444	03/18/86	KAWAMURA
0557-0273-2	4,673,259	06/16/87	KAWAMURA
0557-3199-3	5,508,794	04/16/96	IKESUE et al.
0557-3797-2	5,760,970	06/02/98	KAWAMURA
0557-3904-2	5,687,401	11/11/97	KAWAMURA et al.
0557-4013-2	5,760,973	06/02/98	KAWAMURA
204153US2	6,496,293	12/17/02	KAWAMURA

*Present Application; listed for information

@Status unknown; Copies not available

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 242612US2		SERIAL NO. 10/659,342	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Atsushi KAWAMURA			
FILING DATE September 11, 2003				GROUP 2872			

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,198,562	03/06/01	HAYASHI et al.			
	AB	6,317,246	11/13/01	HAYASHI et al.			
	AC	6,185,026	02/06/01	HAYASHI et al.			
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	AE	4,372,654	02/08/83	FUJIOKA et al.			
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	AJ	3,977,761	08/31/76	KAWAZU et al.			
	AK	4,095,888	06/20/78	KAWAZU et al.			
	AL	4,527,867	07/09/85	FUJIOKA et al.			
	AM	4,576,444	03/18/86	KAWAMURA			
	AN	4,673,259	06/16/87	KAWAMURA			

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
	AO				
	AP				
	AQ				
	AR				
	AS				
	AT				
	AU				
	AV				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)		
	AW	
	AX	
	AY	
	AZ	

☐ Additional References sheet(s) attached

Examiner	Date Considered
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*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 242612US2		SERIAL NO. 10/659,342	
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DOCKET NO.: 242612US2/ptsh

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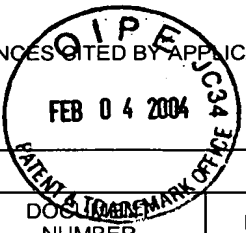
EXAMINER:

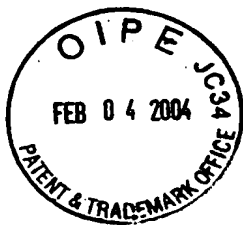
FOR: IMAGING OPTICAL SYSTEM, IMAGE DISPLAY APPARATUS AND
IMAGING OPTICAL APPARATUS

STATEMENT OF RELEVANCY

References AO and AW teach or suggest an imaging optical system for imaging a one-dimensional image on an image surface by regarding as an object a light modulator element which has light modulator parts arranged one-dimensionally in a first direction, and regarding a bundle of rays from the light modulator element as an object light, which comprises at least two anamorphic surfaces each having radii of curvature which are different on an object surface in the first direction and a second direction which is perpendicular to the first direction, so that imaging surfaces in the first and second directions match.

References AO and AW on Form 1449 are discussed in the specification.

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	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	2002-214550	07/31/2002	JAPAN (with English Abstract)			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	R. W. CORRIGAN, et al., Society for Information Display Symposium, http://www.siliconlight.com/htmlpgs/glvtechframes/glvmainframeset.html , pages 1-4, "CALIBRATION OF A SCANNED LINEAR GRATING LIGHT VALVE™ PROJECTION SYSTEM", May 18, 1999					
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
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215868US2	09/985,753	11/06/01	KAWAMURA
226249US2	10/210,056	08/02/02	ATSUUMI et al.
228507US2	10/247,702	09/20/02	HAYASHI et al.
232664US2	10/345,365	01/16/03	KAWAMURA et al.
242612US2*	10/659,342	09/11/03	KAWAMURA

*Present Application; listed for information

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